Rev. 1.0

Samsung Portable SSD T1

User Manual and Warranty Statement

MU-PS1T0B | MU-PS500B | MU-PS250B

SAMSUNG

LEGALITIES

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Samsung Portable SSD T1

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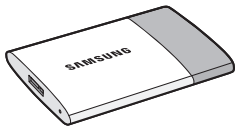
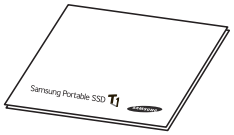
1. Getting Started

Before using your Samsung Portable SSD T1 (referred to as T1), please read the User Manual thoroughly and ensure that you use the product in a safe and appropriate manner. The images shown in this User Manual may differ from the actual product, and the contents of this manual may be subject to change without prior notice.

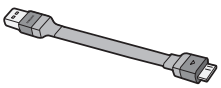
Box Contents



Samsung Portable SSD T1



User Manual and Warranty Certificate



USB 3.0 cable

* Please make sure that all the contents are included in the box after purchase.
Box contents may differ depending on the packaging type.

System Requirements

The following requirements must be met in order to make full use of the fast data transfer speed of your T1.

1 **PCs with USB 3.0 support**
USB (Universal Serial Bus) is a serial input/output technology for connecting computers to peripherals. USB 3.0 (5Gbps) supports up to 10 times faster data transfer than USB 2.0 (480 Mbps). The T1's data transfer speed is optimal when connected via USB 3.0. Using a lower version such as USB 2.0 or 1.1 will result in reduced performance.

* Performance may vary depending on each user's system, even when using a USB 3.0 connection. In particular, when UASP (USB Attached SCSI Protocol) is not supported, performance may be impaired. Confirm the compatibility from the host PC.

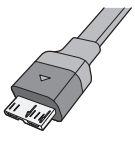
Caution: When your T1 is connected to a device that only supports USB 2.0 or 1.1, the device may not recognise your T1 or may display a popup suggesting that formatting is required. If your T1 is formatted as suggested in this popup, any data stored on the device will be deleted permanently. Do not format your device. When you connect your T1 to a device that supports the USB 3.0 standard, the T1 will be recognised and you will be able to use it.

2 **Connecting T1 to USB ports on devices other than PCs**
Using the T1 by connecting it to devices other than PCs that support USB may be restricted, depending on the USB specifications and operating system (OS) of each device. When using the T1 with devices other than PCs (e.g.: TVs, printers, audio players or other devices that support USB), please check the specifications of each device first.

3 **Recommended PC Specifications**

- Windows OS: Windows 7 or higher
- Mac OS: Mac 10.7 or higher
- USB 3.0 port

PC connector



Product connector

T1 File System

Your T1 is formatted using the exFAT file system by default to support both Windows OS and Mac OS. Please note that there may be restrictions on reading or writing data when using your T1 on both Windows OS and Mac OS. If you plan to only use the T1 on a single OS, it is recommended that you format your T1 using the appropriate file system for the OS.

Important Information:
Read/write capabilities of Windows OS and Mac OS by file system.

File System	Windows OS	Mac OS
exFAT	Both read and write	Both read and write
NTFS	Both read and write	Read only
HFS	Not recognised	Both read and write

* When using exFAT on both operating systems, data writing may become locked and you may only be able to read data. If such a problem occurs, you can restore write access by following the instructions below.

1 Mac OS: Connect your T1 to your Mac OS again, and then eject the volume (T1).

2 Windows OS: In the notification window that appears when write access is disabled, click Scan and Fix. Then run Check Disk (CHKDSK).
If you closed Check Disk, you can run Check Disk by selecting the drive → right-click → choose Properties → choose Error-Checking under the Tools tab.

* When your T1 is connected to a device other than a PC, usage may be restricted depending on the file system supported by the OS of the device and the file system of the data stored on your T1. Please check the device's supported file systems before use. Please note that if T1 is formatted using a different file system in order to enable use with a particular device, all user data stored on your T1 will be deleted during formatting. Once formatted, user data cannot be recovered.

Capacity of T1

When your T1 is connected to a PC, the capacity displayed on the system (Windows Explorer on Windows OS) may vary from the capacity marked on the product, depending on the drive's file system, partitioning and computer system.

* The capacity marked on the product is calculated according to the following standard:
1MB = 1,000,000bytes / 1GB=1,000,000,000bytes / 1TB=1,000,000,000,000bytes

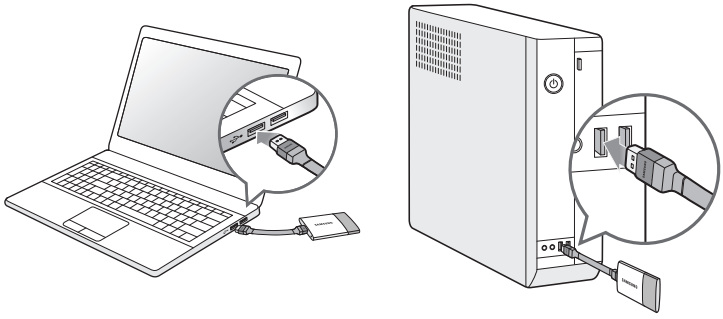
2. Using T1

Important Information:
Your T1 is partitioned into a security partition and a data storage partition by default in order to provide a higher level of security. The T1 is preconfigured to display only the security partition under factory settings. Therefore, to use the data storage partition, your T1 must be activated on a PC. The T1 cannot be activated if the PC does not fulfill the recommended specifications or if the T1 is connected to the USB port of a device other than a PC. Please activate the product using a PC that meets the recommended specifications.

Connecting to a PC

Connect the T1 to a desktop PC or laptop using a USB port as shown in the figure below.

If connected properly, only the security partition (128 MB on Windows 7) will be displayed on the PC. Once the device is activated using the supplied activation software, the entire data storage partition will be recognised by the PC.



Activation

Running the software

You can activate your T1 by using the appropriate software.

During the activation process, you can designate a unique name for your T1 and enable password protection for data security.

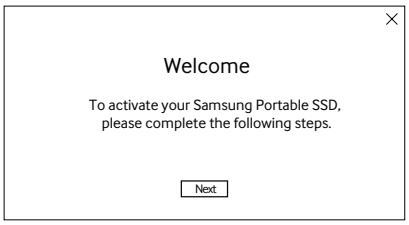
1 In Windows Explorer (Windows OS) or Finder (Mac OS), select the T1_Setup drive launch icon.

Windows OS	Mac OS
Samsung Portable SSD.exe	Samsung Portable SSD.app

2 Double-click the launch icon to run the software.

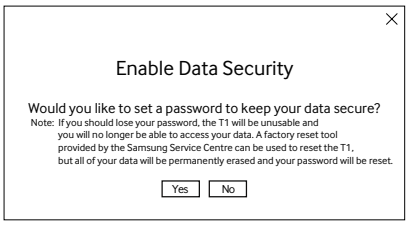
3 Activating the T1

Activate the T1 by following the instructions displayed by the software. During activation, only certain files are copied to the PC for user convenience.



1. Initial screen

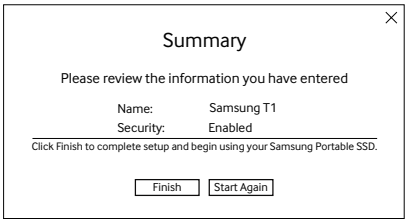
2. Designate a name for Samsung Portable SSD


Enable Data Security
Would you like to set a password to keep your data secure?
Note: If you should lose your password, the T1 will be unusable and you will no longer be able to access your data. A factory reset tool provided by the Samsung Service Centre can be used to reset the T1, but all of your data will be permanently erased and your password will be reset.
Yes
No

3. Select whether or not to enable password protection.

* If you click No, activation will be completed without enabling password protection.

4. Set a password (if enabled)


Summary
Please review the information you have entered
Name: Samsung T1
Security: Enabled
Click Finish to complete setup and begin using your Samsung Portable SSD.
Finish
Start Again

5. Summary (if enabled)

* You can start again from the name settings by clicking Start Again.

Important Information: On Mac OS, an SAT driver installation screen may appear when the software runs. The SAT driver is a mandatory system driver for running the T1 activation software. If you do not install the SAT driver, you will not be able to use T1 on a Mac OS. Install the SAT driver according to the instructions displayed by the installation software. Once the SAT driver is installed, disconnect and re-connect the T1 to confirm that the driver has been installed successfully.

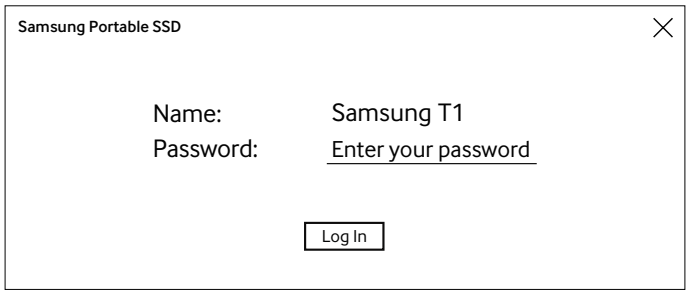
Important Information: The manufacturer and retailer are not liable for loss of user data caused by forgotten or stolen passwords. If you forget your password, your T1 can be restored to its factory settings at a Samsung Service Centre. However, all user data will be lost in the process. If you enable password protection, please be extremely careful not to forget or misplace your password. It is not possible to restore the product to its factory settings at the Service Centre while preserving user data.

Use after Activation

Once activated, you can use the data storage partition of the T1. Depending on whether password protection was enabled or not during the activation process, usage of the T1 varies as described below.

1 If password protection was enabled in the activation process:

When you connect the product to a PC, a login screen appears. You must enter your password and click the Log in button to access the data.



* If you connect the T1 to a different PC and the login screen does not appear, double-click on the T1_setup drive icon to display the login screen.

Restrictions: Password protection only works properly on certain versions of Windows OS or Mac OS. If password protection is enabled, you will not be able to use the T1 with devices other than PCs, even if the device supports USB connection, due to system differences. If you plan to use T1 with devices other than PCs, please disable password protection. You can disable password protection by navigating to the product's Profile screen from the Home screen.

2 If you did not enable password protection in the activation process, you can start using the product without additional settings.

Caution: Even if password protection was not enabled, the T1 may not function properly when connected to a device other than a PC with USB support, depending on specific system conditions. Please check the USB connection and supported file systems for the device you wish to use with T1.

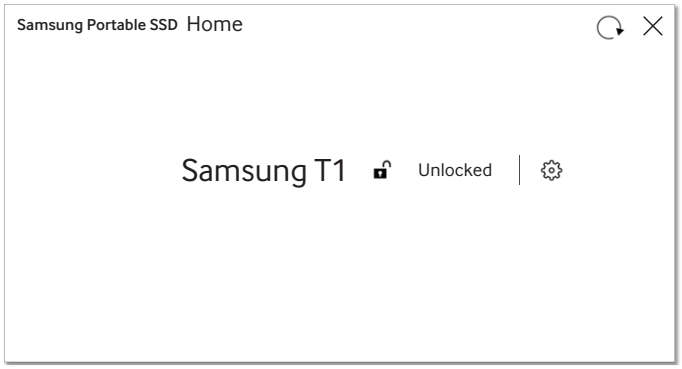
Note: If you later choose to use password protection, a separate setting is required, as the activation process has already been completed. You can enable password protection by using the T1 icon ( ) in the taskbar notification area of the PC where the activation process was performed. On other PCs, you can enable password protection after downloading “Samsung Portable SSD.exe” from the Samsung website.
(http://www.samsung.com/ssd) In Mac OS, you can enable password protection after downloading “Samsung Portable SSD.app”.

Configuration

If you wish to change the device name or password, or enable/disable password protection, you can do so by navigating to the product's Profile screen from the Home screen.

1 Description of key screens

Home screen: This is the screen that displays the status of the connected product.
When you select the product name, the Profile screen will be displayed, enabling you to review and change the settings for that product.

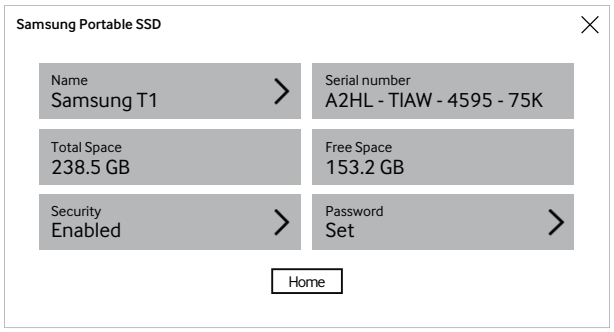


Home screen

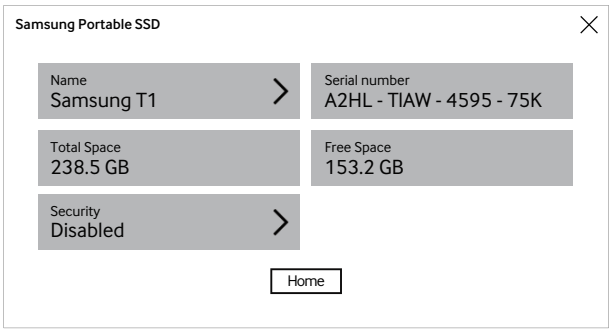
The status of the T1 is displayed using one of four status icons, depending on the settings.

Status		Description
New		This is the factory setting before activation. You can proceed with activation by pressing the Add user icon ( ).
Locked		This is when password protection is enabled and the correct password has not been entered. You can go to the login screen by clicking the Enter Password ( ) icon.
Unlocked		This is when password protection is enabled and the correct password has been entered. You can go to the Profile screen to change settings by clicking the Settings ( ) icon.
No Password		This is when password protection is disabled. You can go to the Profile screen to change settings by clicking the Settings ( ) icon.

Profile screen: The Profile screen shows the details of the connected T1 product. You can change its name, password and password protection status from this screen. The current password protection status is shown as below.



If password protection was enabled during activation



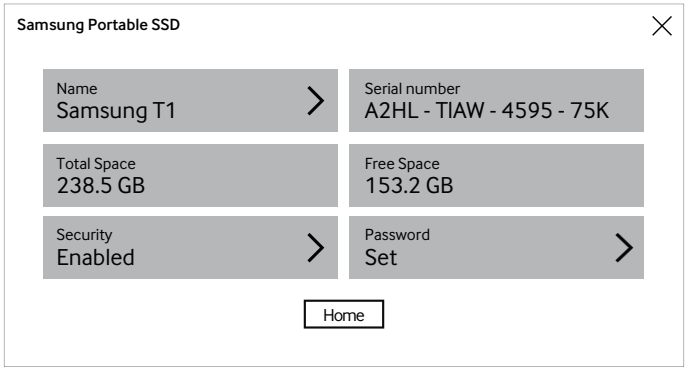
If password protection was not enabled during activation

2 How to access the Home screen

In Windows OS	Select the icon ( ) in the taskbar notification area, right-click, and then select Open to access the Home screen.
In Mac OS	Click the T1 icon ( ) on the Desktop to access the Home screen.

3 How to access the Profile screen

Select the T1 icon ( ) in the taskbar notification area, right-click, and then select the product under the Settings menu or select the product from the Home screen to access the Profile screen.



3. Unmounting

When disconnecting the T1 from your PC, please use the Safely Remove Hardware feature to protect your data and prevent possible damage to the product.

Important Information: Unplugging the USB cable without first performing Safely Remove Hardware may cause data loss or damage to the product. Be sure to use the Safely Remove Hardware feature every time you disconnect the device. The manufacturer and retailer are not liable for loss of user data or product damage caused by user error.

Windows OS

Select Safely Remove Hardware from the taskbar notification area, select the device you wish to remove, and then click Eject. When the device has been safely removed, you will be notified by the OS. Remove the cable only after the activity indicator LED on the product turns red and then turns off.

Mac OS

In Mac OS, right-click on the T1 icon, then select Eject or drag the icon to the Trash to safely remove the product. Remove the cable only after the activity indicator LED on the product turns red and then turns off.

4. Precautions

Failure to comply with the following warnings may result in personal injury, product damage and/or data loss.

* Some of the safety information in this manual may only be applicable to certain products.

Backing Up Important Data and Guarantees

Under no circumstances does Samsung Electronics guarantee the data stored on the T1. Samsung Electronics denies any and all liabilities for psychiatric and/or physical damage or losses caused by loss or restoration of data stored on the T1. Be sure to back up important data at all times.

Guarantees Regarding Forgotten Passwords

Because the T1 utilises advanced encryption technologies, user data cannot be accessed if the password is forgotten. Please write down your password in a safe place to prevent losing it. If the product cannot be used due to a forgotten password, the product can be restored to its factory settings at a Samsung Service Centre. However, restoring the device to factory settings will result in the permanent loss of all user data. Restoring the factory settings will also reset the password. Please note that password-locked user data cannot be recovered prior to restoring the device to its factory settings. Be sure to back up all important data on a regular basis.

Compliance with Safety Standards and Connecting to Certified Devices

This product has been designed to comply with limited power source according to safety standards. Please be sure to use devices and USB ports that properly comply with limited power source of the relevant standards.

Physical Shock

When using the product, avoid physical shocks such as dropping the product. Bending or twisting the unit may damage the exterior of the product as well as internal components.

Disassembly/Damage/Removal

Do not disassemble the product or damage or remove the stickers or labels on the product. If the product's case has been disassembled or damaged, or the label on the side of the product has been removed by the user, all warranties will be void. Always contact a designated Samsung Service Centre for repairs.

To prevent the possibility of electrical shock, fire, short circuit, leaking of harmful substances and personal injury, do not insert metallic objects into the unit. Do not store the product in a wet or humid place. Always store the product in a dry place.

Use of Genuine Parts & Accessories

Always use genuine parts and accessories provided by or certified by Samsung Electronics. The manufacturer and retailer will not be liable for damage to the product or loss of user data caused by the use of non-genuine parts or accessories.

Using the Product in Appropriate Temperature and Humidity

Use the product in appropriate temperatures between 5 and 35°C, and in appropriate humidity between 10 and 80%.

Connecting to Devices Other than PCs

Please check the USB connection guide for the device you wish to connect the T1 to before use. Unexpected interference may cause the T1 and the connected device to malfunction. Especially, the T1 may not be recognised by the device depending on the file system of the T1. Please check the file system(s) supported by the device.

Unplugging the Cable

Do not unplug the cable using excessive force. This may damage the product's USB connector or cable.

Please follow these safety guidelines to prevent virus infections. Any issues caused by not following these guidelines will void the warranty.

- Perform virus scans on a regular basis to protect the T1 against being infected by a virus.
- After downloading files to the T1, perform a virus scan before opening the file.
- Install antivirus software on the PC that the T1 connects to, and perform virus scans on a regular basis.
- Always ensure that the operating system and antivirus software are updated to the latest versions.

Cleaning the Product

It is recommended that you clean the product by wiping it gently with a soft cloth. Do not use water, chemical substances or detergents. These may cause discolouration or corrosion to the product's exterior, and may also cause a fire or electric shock.

Keep The Product Away from Children, Infants, and Pets

- There is a choking risk due to small parts.
- If a child is using the product, instruct the child on how to use the product correctly and monitor correct usage.
- Do not insert the product into any part of the body, including the eyes, ears and mouth.

5. Specifications and Certifications

Specifications

* Product specifications can change without prior notice for performance enhancement.

Model	MU-PS250B	MU-PS500B	MU-PS1T0B
Capacity	250GB	500GB	1TB
Interface	USB 3.0 (5Gbps), Backward compatible		
Max. Transfer Rate	Max. 450MB/s		
Size	53.2 x 71 x 9.2 (W x L x H, mm)		
Weight	Max. 30g		
System Compatibility	Windows OS: Windows 7 or higher, Mac OS: Mac 10.7 or higher		

* This rate may differ from the performance notified in the user environment (USB3.0 UASP mode) and may be significantly lower due to the limitations of HDD performance when connected to a PC with HDD.

Certifications

Waste Electrical and Electronic Equipment

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

MANUFACTURER'S DECLARATION FOR CE CERTIFICATION

Hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2004/108/EC, 2006/95/EC, 2009/125/EC and 2011/65/EU.

Indoor use only.

6. Samsung Portable SSD T1 Limited Warranty

Thank you for purchasing a Samsung Portable SSD (the "Product"). SAMSUNG values your business and always attempts to provide you with the very best quality of service. PLEASE CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE USING THE PRODUCT PROVIDED BY SAMSUNG ELECTRONICS CO., LTD. ("SAMSUNG"). YOUR USE OF THE PRODUCT CONSTITUTES AGREEMENT WITH THE TERMS AND CONDITIONS OF THIS SAMSUNG SSD LIMITED WARRANTY STATEMENT ("AGREEMENT").

A. Warranty Policy

SAMSUNG warrants to the purchaser of the Product in its original sealed packaging ("You") that the Product is free from defects in materials and workmanship, subject to the conditions stated herein, for THE LIMITED WARRANTY PERIOD, THE DURATION OF WHICH IS SPECIFIED IN SECTION B OF THIS AGREEMENT, BEGINNING ON THE DATE THE PRODUCT WAS PURCHASED IN ITS ORIGINAL SEALED PACKAGING.

In the event that a valid proof of purchase is not available, the limited warranty period will be determined by the date of manufacture.

In the event that SAMSUNG determines, in its sole discretion, that the Product suffers from defects in materials or workmanship and does not substantially conform to the published specifications under normal use, for as long as You own the Product and during the limited warranty period, and subject to the conditions and exceptions stated in this Agreement, SAMSUNG will, at its option, either: (1) repair or replace the Product with new or refurbished Product of equal or greater capacity and functionality; or (2) refund the then current market value of the Product at the time the warranty claim is made to SAMSUNG if SAMSUNG is unable to repair or replace the Product. In the case of replacements, SAMSUNG may replace Your Product with one that was previously used, repaired and tested to meet SAMSUNG specifications. The warranty period for repaired and replaced products will be applied for the longer of the remainder of the original warranty period or ninety (90) days. The returned Product for replacement service will not be sent back to You. However, in the case of NTF (No Trouble Found) through a diagnosis, Your Product will be sent back to You. You should always back up any important data. This warranty is provided only to You and is not transferable.

B. Limited Warranty Condition (Period)

Product	Capacity	Product Warranty Policy (Period)
Portable SSD T1	250GB/500GB/1TB	3 years

C. Extent of the Limited Warranty

The warranty stated herein shall NOT apply if: (i) the Product was not used in accordance with any accompanying instructions, (ii) the Product was not used for its intended function and environment (iii) any failure or defect arose out of the presence of a third party product, software or component, whether authorised or not, (iv) any failure or defect was a result of improper installation or testing, misuse, neglect, unauthorised repair, modification, accident, or other external causes, OR (v) there exist any other circumstances which SAMSUNG determine to be evidence of a breach of this Agreement by You. You acknowledge and agree that the Product is not designed for and shall not be used in, including without limitation, life support systems, critical care, medical or safety equipment, or other applications where failure could result in loss of life or personal or physical harm, or any military or defence application, or any governmental procurement to which special terms or provisions may apply. Accordingly, SAMSUNG disclaims any and all liability in connection with, arising out of, or related to, any such use of the Product, and you assume all risks arising from any such or similar application of the Product.

SAMSUNG's warranty does NOT cover any costs and expenses relating to Product overhaul/assembly and data recovery for repairs or replacements. SAMSUNG's warranty also does NOT cover Products which, by way of example, have been received improperly packaged, altered, or physically damaged. Products will be inspected upon receipt. You can refer to a non-exhaustive list of examples of the warranty exclusions below:

– improperly packaged or shipped, including use of non-qualified shipping container;

– any alterations, modifications, or physical damage of the Product, including but not limited to, deep scratches;

– any alterations, modifications, or removal of any SAMSUNG labels or barcodes on the Product;

– opened Product casing; or

– tampered or missing tape seal or serial number.

D. Warranty Limitations and Limitations of Liability

EXCEPT FOR THE EXPRESS WARRANTIES STATED HEREIN, SAMSUNG DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, COURSE OF DEALING AND USAGE OF TRADE. ALL EXPRESSED AND IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD.

THIS AGREEMENT CONTAINS SAMSUNG'S ENTIRE LIABILITY AND YOUR EXCLUSIVE REMEDY FOR BREACH OF THIS AGREEMENT. IN NO EVENT SHALL SAMSUNG, ITS SUPPLIERS OR ANY AFFILIATES BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES, ANY FINANCIAL LOSS OR ANY LOST DATA OR FILES, EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY. IN NO EVENT WILL SAMSUNG'S LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT. THESE LIMITATIONS AND EXCLUSIONS APPLY TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW.

E. Law and Jurisdiction

This Agreement shall be governed by and construed in accordance with the laws of the Republic of Korea (excluding conflict of law's provisions which may direct the application of another jurisdiction's laws). All disputes, controversies or claims between the parties arising out of or in connection with this Agreement (including its existence, validity or termination) shall be finally resolved by arbitration to be held in Seoul, Korea and conducted in English under the Rules of Arbitration of the International Chamber of Commerce. The arbitral award shall be final and binding on the parties. Except to the extent entry of judgment and any subsequent enforcement may require disclosure, all matters relating to the arbitration, including the award, shall be held in confidence.

For more information, please visit www.samsung.com/ssd and www.samsung.com/samsungssd.

Region or Country	Service Center Name	Address	Tel.
E.U. (Europe)	Hanaro Europe BV	Florijn 8, 5751 PC Deurne, The Netherlands	DE: 01805-SAMSUNG (726-7864) U.K.: 0330-SAMSUNG (726-7864) NL: 0900-SAMSUNG (726-7864) For other countries: 00800-8010-8011

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